

**Autumnwood ESH Consultants, LLC**

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Mount Pleasant, Wisconsin 53403
Phone: 262.237.1130

20 March, 2015

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Monthly Progress Report for February 2015, Revision 1

Dear Mr. Nordine:

Enclosed please find the revised Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of February 2015.

The eDMR for the groundwater pump and treat facility and the laboratory analytical reports, which includes the effluent data used in the eDMR for February 2015, are also attached to this report.

If you have any comments or questions regarding the progress of this project, please contact me at (262) 237-1130.

Sincerely,

Autumnwood ESH Consultants, LLC

John W. Thorsen, P.E.

JWT:jt

encl

cc:	Joyce Munie	IEPA
	Robert Kay	USGS
	Thomas Hanewald	Central Wire
	Gerald W. Ruopp	Central Wire
	Robert Johnson	Central Wire

**MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
February 2015**

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 468,000 gallons per day with a maximum daily flow of 486,000 gallons per day and met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for February 2015 is attached to this report. EPA requested that Central Wire change the eDMR Perchloroethene to report as <0.00017 mg/L instead of 0.00017 mg/L. Mr. Bob Johnson of Central Wire tried to modify the report after it was submitted and the eDMR would not accept the change. Central Wire will be mindful of this as future eDMR reports are prepared.

Maintenance on the tray aeration system was not completed by the end of February due to an accident that their welder suffered. Central Wire is in the process of obtaining quotes from outside subcontractors to complete the necessary work which now will include welding, sandblasting, and recoating the tank. The work will be scheduled during weather at or above freezing to prevent the packed tower from freezing up. As a result, necessary repairs will not be completed until the end of April. The pump & treat flows for March and April will remain at about the same volume as in February until the maintenance is complete.

The laboratory analytical report for the pump and treat system noted that the groundwater effluent samples arrived at the lab on February 13, 2015 at 2.6° C. The NPDES analytical report for February is attached.

The groundwater level monitoring data from down gradient monitoring well DGW-2I continues to be collected. Central Wire has left a water level recorder in monitoring well DGW-2I and reset the recorder to collect the groundwater level measurements every hour. This data logger will be retrieved in the spring when Central Sod deploys the diesel engine that drives the irrigation well pumps.

Summary of Validated Data and Results – The monthly effluent sampling took place on February 12, 2015. The permit limitations and analytical results are shown below.

Central Wire Union Illinois Pump & Treat Discharge Analytical Results

Parameter	Effluent Limitation (Daily Maximum), µg/L	February 2015 Analytical Results, µg/L
1,1,1-Trichloroethane	20	1.2
Trichloroethene	20	1.2
Tetrachloroethene	20	<0.17

2. **Upcoming Events/Activities Planned** – Central Wire will continue to operate the existing remediation systems. Effluent samples will be collected and analyzed as required in our NPDES permit.

Planned repairs and maintenance on the tray aeration system should be completed by the end of April.

In March, Central Wire will submit a Work Plan to EPA to more discretely define the leading edge of the chlorinated plume by placing two Geoprobe borings 150 feet and 250 feet northwest (downgradient) of GP-23 and to collect samples at 27 feet, 57 and 85 feet below grade surface. These new wells will be designated as GP-25 and GP-26.

3. **Anticipated Problem Areas and Recommended Solutions** – None.
4. **Key Personnel Changes** – None.
5. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.